CLAIM AMENDMENTS

1. (Currently Amended) An imager comprising:

an array of pixel sensors, each pixel sensor to indicate at least two different primary color components of an image;

for each pixel sensor, at least two storage locations located in the array to store the indications from the pixel sensor and each storage location being designated for a different one of the primary color components of the image; and

for each pixel sensor, circuitry to, during a first integration interval, couple the pixel sensor to one of the associated storage locations to store one of the indications from the sensor and, during a second integration interval, couple the pixel sensor to another one of the storage locations to store another one of the indications from the sensor.

2. (Cancelled)

3. (Previously Amended) The imager of claim 1, wherein the circuitry includes an analog-to-digital converter to convert the indications from the pixel sensor into a digital format.

4. (Original) The imager of claim 1, wherein the indications comprise analog signals.

5. (Original) The imager of claim 1, wherein the indications comprise digital signals.

6. (Currently Amended) A camera comprising:

an array of pixel sensors, each pixel sensor to indicate at least two color components of an image;

a programmable color filter substantially covering the array;

a controller to control the color filter to cause the pixel sensors to indicate the color components one at a time;

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for each pixel sensor, at least two storage locations located in the array to store the indications from the pixel sensor and each storage location being designated for a different one of the primary color components of the image; and

for each pixel sensor, circuitry to, during a first integration interval, couple the pixel sensor to one of the associated storage locations to store one of the indications from the sensor and, during a second integration interval, couple the pixel sensor to another one of the storage locations to store another one of the indications from the sensor.

7.   (Cancelled)

8.   (Previously Amended) The camera of claim 6, wherein the circuitry includes an analog-to-digital converter to convert the indications from the pixel sensor into a digital format.

9.   (Original) The camera of claim 6, wherein the indications comprise analog signals.

10.   (Original) The camera of claim 6, wherein the indications comprise digital signals.

11.-17. (Cancelled)

18.   (Currently Amended) A method comprising:
providing a pixel sensor;
providing at least two storage locations associated with the pixel sensor and each storage location being designated for a different primary color component of an image;
during a first integration interval, coupling the pixel sensor to one of the associated storage locations to store an indication from the pixel sensor; and
during a second integration interval, coupling the pixel sensor to another one of the storage locations to store another indication from the pixel sensor.

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19. (Previously Added) The method of claim 18, wherein

one of the indications from the pixel sensor indicates a first primary color component; and

another one of the indications from the pixel sensor indicates another primary color component different from the first primary color component.

20. (Previously Added) The method of claim 18, further comprising:

converting the indications from the pixel sensor into a digital representation; and

storing the digital representations in the storage locations in response to the coupling.

21. (Previously Added) The method of claim 18, further comprising:

forming a pixel sensor array that includes the pixel sensor.

22. (Currently Amended) An imager comprising:

an array of pixel sensors; and

at least two ~~storage locations~~ integration devices for each pixel sensor, each integration device being designated to provide a value for a different primary color.

23. (Previously Added) The imager of claim 22, wherein each of said at least two storage locations are associated with different color components.

24. (Previously Added) The imager of claim 22, wherein each of said at least two storage locations are associated with different primary color components.

25. (New) The imager of claim 22, wherein said at least two integration devices comprise at least three integration devices for each pixel sensor.

26. (New) The imager of claim 1, wherein said at least two storage locations comprise at least three storage locations for each pixel sensor.

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27.   (New) The camera of claim 6, wherein said at least two storage locations comprise at least three storage locations for each pixel sensor.

28.   (New) The method of claim 18, wherein said at least two storage locations comprise at least three storage locations for each pixel sensor.